

Claims

1. Method for transmitting a useful data object from a switching component (VK) to a mobile station (MS), in which in a first step at least one communication network is selected, in which the useful data object is to be transmitted, and in which the switching component (VK) transmits the useful data object to the mobile station (MS), when it is determined in a second step that the mobile station (MS) is registered in the at least one selected communication network, and it is determined in a third step that the switching component (VK) has a delivery request (ZA) for the useful data object.
2. Method according to claim 1, in which the mobile station (MS) is notified by the switching component (VK) when the switching component (VK) has a useful data object for the mobile station (MS).
3. Method according to claim 1 or 2, in which in a first step the at least one communication network is selected with the aid of a selection device (AU), with the selection device (AU) being assigned to the mobile station (MS) or the switching component (VK).
4. Method according to one of claims 1 to 3, in which the at least one communication network is selected as a function of at least one parameter, with the parameter representing for example the cost of transmitting the useful data object, the transmission time for the useful data object, the size of the useful data object, the sender of the useful data object or the nature of the useful data object.

5. Method according to one of the preceding claims, in which in the second step it is determined by a determination device (FE) assigned to the mobile station (MS) or the switching component (VK) whether the mobile station (MS) has registered in one of the selected communication networks.

6. Method according to claim 5, in which the determination device (FE) notifies the mobile station (MS) that the mobile station (MS) has registered in one of the selected communication networks, when it is determined either by the switching component (VK) or by the assigned determination device (FE) that the mobile station (MS) has registered in one of the selected communication networks.

7. Method according to one of the preceding claims 5 or 6, in which the mobile station (MS) sends the switching component (VK) the delivery request (ZA) for the useful data object, either when it is determined by the mobile station (MS) that the mobile station (MS) has registered in one of the selected communication networks or the mobile station (MS) is notified by the determination device (FE) assigned to the switching component (VK) that the mobile station (MS) has registered in one of the selected communication networks.

8. Method according to one of the preceding claims, in which the switching component (VK) transmits the useful data object to the mobile station (MS) when the delivery request (ZA) for the useful data object is sent from the mobile station (MS) to the switching component (VK) or the switching component (VK) already has a delivery request (ZA).

9. Method according to one of the preceding claims, in which the useful data object is transmitted as a multimedia

message (MM) in the context of the multimedia messaging service (MMS) between the switching component (VK) and the mobile station (MS).

10. Method according to one of claims 2 to 9, in which the mobile station (MS) displays to a user, on receipt of a notification (BE) that a useful data object is available, the option of selecting from at least two of the following options: transmitting the useful data object from the switching component (VK) immediately, at a later time or after registration of the mobile station (MS) in the home network or in a previously selected network outside the home network.

11. Method according to one of the preceding claims, in which the useful data object is sent from a data provision component (DBK) to the switching component (VK) for transmission to the mobile station (MS).

12. Method according to one of the preceding claims, in which at least one of the following information items is stored in a storage unit (SP) assigned to the mobile station (MS):
the status of the transmission process of the useful data object,
the at least one selected communication network,
the selected parameter(s),
the notifications and messages (BE),
information specific to the useful data object.

13. Method according to claim 12, in which the storage unit (SP) assigned to the mobile station (MS) is a SIM card or a UICC card with a USIM application.

14. Method according to one of the preceding claims, in which the storage, the receiving and sending of the useful data object, the selection of the communication network, the selection of the parameters and/or the display on the mobile station (MS) are carried out by a software application (SA) on the mobile station (MS).

15. Mobile station (MS) with a selection device (AU) for selecting at least one communication network and with a determination device (FE) to determine whether the mobile station (MS) has registered in a selected communication network, with the mobile station (MS) being designed to implement a method according to one of the preceding claims 1 to 14.

16. Switching component (VK) with a selection device (AU) for selecting at least one communication network and with a determination device (FE) for determining whether the mobile station (MS) has registered in a selected communication network, with the switching component (VK) being designed to implement a method according to one of the preceding claims 1 to 14.

17. Telecommunication arrangement, comprising at least one switching component (VK) and a mobile station (MS), the telecommunication arrangement being designed to implement a method according to one of the preceding claims 1 to 14.